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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/797,592	03/10/2004	Seung Woo Kim	033075-055020	4715	
7	590 09/22/2005		EXAMINER		
David S. Resnick NIXON PEABODY LLP			BOLES, DEREK		
100 Summer Street		·	ART UNIT	PAPER NUMBER	
Boston, MA 02110			. 3749		
	DATE MAILED: 09/22/2005		5		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Commence	10/797,592	KIM ET AL.	
Office Action Summary	Examiner	Art Unit	
	Derek S. Boles	3749	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim iill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	N. nely filed the mailing date of this co D (35 U.S.C.§ 133).	
Status			
 1) ⊠ Responsive to communication(s) filed on 05 Ju 2a) ☐ This action is FINAL. 2b) ⊠ This 3) ☐ Since this application is in condition for allowant closed in accordance with the practice under E 	action is non-final. ace except for formal matters, pro		e merits is
Disposition of Claims			
 4) Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1,2,7 and 9 is/are rejected. 7) Claim(s) 3-6,8 and 10 is/are objected to. 8) Claim(s) 11-17 are subject to restriction and/or 	vn from consideration.		
Application Papers			
9)☐ The specification is objected to by the Examine 10)☑ The drawing(s) filed on 10 March 2004 is/are: a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction 11)☐ The oath or declaration is objected to by the Examine 11.	a) accepted or b) objected to drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CF	FR 1.121(d).
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list of the certified copies 	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on No ed in this National	Stage
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 3/10/04. 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	D-152)
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DETAILED ACTION

Claims 11-17 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 7/5/05.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Steel (3,259,053). See figs. 1 and 4 and col. 3, lines 35-58 and col. 2, lines 56-71.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim(s) 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Steel in view of Baumann et al. (3,570,386). Steel discloses all of the limitations of the claim(s) except for first and second heat exchangers. Baumann et al. discloses the presence of first and second heat exchangers. See claim 5. Hence, one skilled in the art would find it

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obvious to modify the system of Steel to include the first and second heat exchangers of Baumann et al. for the purpose of increased comfort.

Claim(s) 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Steel in view of Fields et al. (2,598,774). Steel discloses all of the limitations of the claim(s) except for a sliding protrusion for insertion into a sliding groove. Fields et al. discloses the presence of a sliding protrusion for insertion into a sliding groove. See element 10. Hence, one skilled in the art would find it obvious to modify the system of Steel to include the sliding protrusion for insertion into a sliding groove of Fields et al. for the purpose of increased stability.

Allowable Subject Matter

Claims 3-6, 8 and 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The provided references are representative of the state of the art that is applicable to the applicant's invention. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Derek S. Boles at (571) 272-4872.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D.S.B.

DEREK S. BOLES
PRIMARY EXAMINER
GROUP 3700

9/19/05